Amendments in the claims:

1. A wick structure to be attached to an internal wall of a tubular member,

comprising:

the tubular member includes an open end and a close end, and the mesh extends towards

an internal bottom surface of the close end;

a mesh in the form of an elongate circular ring and a plurality of particulates of metal

powder and fine broken fibers embedded in interstices of the mesh, wherein the mesh and the

particulates embedded therein are attached to the internal wall of the tubular member by a

sintering process; and

a support member disposed in the tubular member to press the wick structure against the

internal wall of the tubular member.

2. (original) The structure of Claim 1, wherein the tubular member is fabricated from a good

thermal conductive metal material.

3. (original) The structure of Claim 1, wherein the mesh includes a woven mesh.

4. (cancelled)

5. (original) The structure of Claim 1, wherein the tubular member has a fusion point higher than

that of the wick structure.

6. (original) The structure of Claim 5, wherein the mesh is fabricated from a thin layer with a

plurality of porosities.

7. (original) The structure of Claim 6, wherein the thin layer includes a plurality of recesses and

protrusions.

8. (original) The structure of Claim 1, wherein the particulates have a fusion point lower than

that of the mesh.

9. (canceled)

10. (canceled)

11. (canceled)

12. (currently amended) The structure of Claim [[10]]1, wherein the support member has a fusion point higher than those of the mesh and the particulates.

13. (currently amended) The structure of Claim [[10]]1, wherein the support member includes a plate spiral structure.

14. (currently amended) The structure of Claim [[10]]1, wherein the support member includes a linear spiral structure.

15. (currently amended) The structure of Claim [[10]]1, wherein the support member includes a porous plate curled as a roll.

16. (currently amended) The structure of Claim [[10]]1, wherein the support member is fabricated from a resilient material.